

JC14 Rec'd PCT/PTO 05 JUL 2005

## SEQUENCE LISTING

&lt;110&gt; BASF Aktiengesellschaft

<120> Method for preserving and/or storing  
cells which possess nitrilase or nitrile hydratase activity

&lt;130&gt; AE20020980

&lt;140&gt;

&lt;141&gt;

&lt;160&gt; 2

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 1071

&lt;212&gt; DNA

<213> *Alcaligenes faecalis*

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(1068)

&lt;223&gt; coding for nitrilase

&lt;400&gt; 1

atg	cag	aca	aga	aaa	atc	gtc	cgg	gca	gcc	gcc	gta	cag	gcc	gcc	tct	48
Met	Gln	Thr	Arg	Lys	Ile	Val	Arg	Ala	Ala	Ala	Val	Gln	Ala	Ala	Ser	
1				5					10					15		
ccc	aac	tac	gat	ctg	gca	acg	ggt	gtt	gat	aaa	acc	att	gag	ctg	gct	96
Pro	Asn	Tyr	Asp	Leu	Ala	Thr	Gly	Val	Asp	Lys	Thr	Ile	Glu	Leu	Ala	
			20					25					30			
cgt	cag	gcc	cgc	gat	gag	ggc	tgt	gac	ctg	atc	gtg	ttt	ggt	gaa	acc	144
Arg	Gln	Ala	Arg	Asp	Glu	Gly	Cys	Asp	Leu	Ile	Val	Phe	Gly	Glu	Thr	
			35				40					45				
tgg	ctg	ccc	gga	tat	ccc	ttc	cac	gtc	tgg	ctg	ggc	gca	ccg	gcc	tgg	192
Trp	Leu	Pro	Gly	Tyr	Pro	Phe	His	Val	Trp	Leu	Gly	Ala	Pro	Ala	Trp	
	50					55					60					
tcg	ctg	aaa	tac	agt	gcc	cgc	tac	tat	gcc	aac	tcg	ctc	tcg	ctg	gac	240
Ser	Leu	Lys	Tyr	Ser	Ala	Arg	Tyr	Tyr	Ala	Asn	Ser	Leu	Ser	Leu	Asp	
	65				70					75					80	
agt	gca	gag	ttt	caa	cgc	att	gcc	cag	gcc	gca	cgg	acc	ttg	ggt	att	288
Ser	Ala	Glu	Phe	Gln	Arg	Ile	Ala	Gln	Ala	Ala	Arg	Thr	Leu	Gly	Ile	
				85				90						95		
ttc	atc	gca	ctg	ggt	tat	agc	gag	cgc	agc	ggc	ggc	agc	ctt	tac	ctg	336
Phe	Ile	Ala	Leu	Gly	Tyr	Ser	Glu	Arg	Ser	Gly	Gly	Ser	Leu	Tyr	Leu	
			100					105					110			
ggc	caa	tgc	ctg	atc	gac	gac	aag	ggc	gag	atg	ctg	tgg	tcg	cgt	cgc	384
Gly	Gln	Cys	Leu	Ile	Asp	Asp	Lys	Gly	Glu	Met	Leu	Trp	Ser	Arg	Arg	
		115					120					125				
aaa	ctc	aaa	ccc	acg	cat	gta	gag	cgc	acc	gta	ttt	ggt	gaa	ggt	tat	432
Lys	Leu	Lys	Pro	Thr	His	Val	Glu	Arg	Thr	Val	Phe	Gly	Glu	Gly	Tyr	
	130					135					140					
gcc	cgt	gat	ctg	att	gtg	tcc	gac	aca	gaa	ctg	gga	cgc	gtc	ggt	gct	480
Ala	Arg	Asp	Leu	Ile	Val	Ser	Asp	Thr	Glu	Leu	Gly	Arg	Val	Gly	Ala	
	145				150					155					160	
cta	tgc	tgc	tgg	gag	cat	ttg	tcg	ccc	ttg	agc	aag	tac	gcg	ctg	tac	528
Leu	Cys	Cys	Trp	Glu	His	Leu	Ser	Pro	Leu	Ser	Lys	Tyr	Ala	Leu	Tyr	
				165					170					175		

tcc cag cat gaa gcc att cac att gct gcc tgg ccg tcg ttt tcg cta	576
Ser Gln His Glu Ala Ile His Ile Ala Ala Trp Pro Ser Phe Ser Leu	
180 185 190	
tac agc gaa cag gcc cac gcc ctc agt gcc aag gtg aac atg gct gcc	624
Tyr Ser Glu Gln Ala His Ala Leu Ser Ala Lys Val Asn Met Ala Ala	
195 200 205	
tcg caa atc tat tcg gtt gaa ggc cag tgc ttt acc atc gcc gcc agc	672
Ser Gln Ile Tyr Ser Val Glu Gly Gln Cys Phe Thr Ile Ala Ala Ser	
210 215 220	
agt gtg gtc acc caa gag acg cta gac atg ctg gaa gtg ggt gaa cac	720
Ser Val Val Thr Gln Glu Thr Leu Asp Met Leu Glu Val Gly Glu His	
225 230 235 240	
aac gcc ccc ttg ctg aaa gtg ggc ggc ggc agt tcc atg att ttt gcg	768
Asn Ala Pro Leu Leu Lys Val Gly Gly Gly Ser Ser Met Ile Phe Ala	
245 250 255	
ccg gac gga cgc aca ctg gct ccc tac ctg cct cac gat gcc gag ggc	816
Pro Asp Gly Arg Thr Leu Ala Pro Tyr Leu Pro His Asp Ala Glu Gly	
260 265 270	
ttg atc att gcc gat ctg aat atg gag gag att gcc ttc gcc aaa gcg	864
Leu Ile Ile Ala Asp Leu Asn Met Glu Glu Ile Ala Phe Ala Lys Ala	
275 280 285	
atc aat gac ccc gta ggc cac tat tcc aaa ccc gag gcc acc cgt ctg	912
Ile Asn Asp Pro Val Gly His Tyr Ser Lys Pro Glu Ala Thr Arg Leu	
290 295 300	
gtg ctg gac ttg ggg cac cga gac ccc atg act cgg gtg cac tcc aaa	960
Val Leu Asp Leu Gly His Arg Asp Pro Met Thr Arg Val His Ser Lys	
305 310 315 320	
agc gtg acc agg gaa gag gct ccc gag caa ggt gtg caa agc aag att	1008
Ser Val Thr Arg Glu Glu Ala Pro Glu Gln Gly Val Gln Ser Lys Ile	
325 330 335	
gcc tca gtc gct atc agc cat cca cag gac tcg gac aca ctg cta gtg	1056
Ala Ser Val Ala Ile Ser His Pro Gln Asp Ser Asp Thr Leu Leu Val	
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Gln Glu Pro Ser	
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<210> 2	
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<213> <i>Alcaligenes faecalis</i>	
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Pro Asn Tyr Asp Leu Ala Thr Gly Val Asp Lys Thr Ile Glu Leu Ala	
20 25 30	
Arg Gln Ala Arg Asp Glu Gly Cys Asp Leu Ile Val Phe Gly Glu Thr	
35 40 45	
Trp Leu Pro Gly Tyr Pro Phe His Val Trp Leu Gly Ala Pro Ala Trp	
50 55 60	
Ser Leu Lys Tyr Ser Ala Arg Tyr Tyr Ala Asn Ser Leu Ser Leu Asp	
65 70 75 80	

[illegible]